



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: VELLA, MARK et al

Attorney Docket No: 22.1512

Serial No: 10/686,043

Art Unit:

Filed: October 15, 2003

Examiner:

For: Techniques and Systems Associated With Perforation  
And The Installation of Downhole Tools

**MAIL STOP PATENT APPLICATION**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION**

☐ Declaration Submitted with Initial Filing

☒ Declaration Submitted after Initial Filing

**As a below named inventor, I hereby declare that:**

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TECHNIQUES AND SYSTEMS ASSOCIATED WITH PERFORATION AND THE  
INSTALLATION OF DOWNHOLE TOOLS**

**CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8 & 1.10**

I hereby certify that this document and its attachments are being sent on the date indicated below to the Assistant Commissioner for Patents, Washington, DC 20231 by:

☐ facsimile to number \_\_\_\_\_

☒ first class mail.

Express Mail: Post Office to Addressee No. EV \_\_\_\_\_ US

DATE

1/28/04

JOANNE C. HYLAND

*Joanne C. Hyland*

the specification of which

☐ is attached hereto.

☒ was filed on October 15, 2003 as United States Application Number or PCT International Application Number 10/686,043.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign<br>Application Numbers | Country | Foreign Filing<br>Date | Priority Not<br>Claimed  | Certified Copy Attached  |                          |
|--------------------------------------|---------|------------------------|--------------------------|--------------------------|--------------------------|
|                                      |         |                        |                          | YES                      | NO                       |
|                                      |         |                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                      |         |                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                      |         |                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                      |         |                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

| <b>Application Number(s)</b> | <b>Filing Date</b> |
|------------------------------|--------------------|
| 60/419718                    | October 18, 2002   |
|                              |                    |

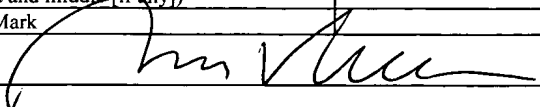
I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

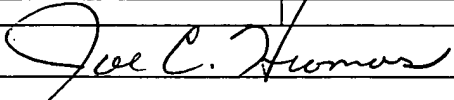
| <b>U.S. Parent Application Numbers</b> | <b>PCT Parent Number</b> | <b>Parent Filing Date</b> | <b>Parent Patent Number</b> |
|--|--------------------------|---------------------------|-----------------------------|
|  |                          |                           |                             |
|  |                          |                           |                             |
|  |                          |                           |                             |

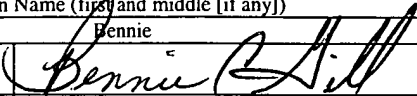
**Direct all correspondence to:**

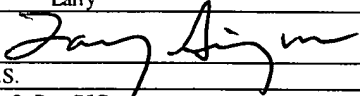
**Patent Counsel**  
**Schlumberger Reservoir Completions**  
**Schlumberger Technology Corporation**  
**P.O. Box 1590**  
**Rosharon, Texas 77583**

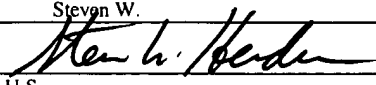
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

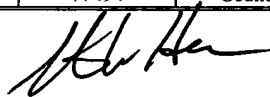
|  |  |       |    |  |          |         |      |
|--|--|-------|----|--|----------|---------|------|
| <b>Name of Sole or First Inventor</b>  |  |       |    | <input type="checkbox"/> A petition has been filed for this unsigned inventor. |          |         |      |
| Given Name (first and middle (if any)) |  |       |    | Family Name or Surname   |          |         |      |
| Mark                                   |  |       |    | Vella  |          |         |      |
| Inventor's Signature                   |  |       |    | Date   | 11/6/03  |         |      |
| Citizenship                            | Malta  |       |    |  |          |         |      |
| Residence Address                      | 48 Derbeth Park  |       |    |  |          |         |      |
| Residence: City                        | Kingswells   | State | AB | ZIP  | AB15 8TU | Country | U.K. |
| Post Office Address                    | 48 Derbeth Park  |       |    |  |          |         |      |
| City                                   | Kingswells   | State | AB | ZIP  | AB15 8TU | Country | U.K. |

|  |   |       |    |                        |  |         |          |
|--|---|-------|----|------------------------|--|---------|----------|
| <b>Name of Additional Inventor</b>     |   |       |    |                        | <input type="checkbox"/> A petition has been filed for this unsigned inventor. |         |          |
| Given Name (first and middle [if any]) |   |       |    | Family Name or Surname |  |         |          |
| Joe C.                                 |   |       |    | Hromas                 |  |         |          |
| Inventor's Signature                   |  |       |    |                        |  | Date    | 11/10/03 |
| Citizenship                            | U.S.  |       |    |                        |  |         |          |
| Residence Address                      | 2519 Buffalo Trail  |       |    |                        |  |         |          |
| Residence: City                        | Sugar Land  | State | TX | ZIP                    | 77479  | Country | U.S.     |
| Post Office Address                    | 2519 Buffalo Trail  |       |    |                        |  |         |          |
| City                                   | Sugar Land  | State | TX | ZIP                    | 77479  | Country | U.S.     |

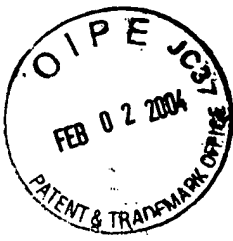
|  |   |  |    |     |       |         |          |
|--|---|--|----|-----|-------|---------|----------|
| <b>Name of Additional Inventor</b>     |   | <input type="checkbox"/> A petition has been filed for this unsigned inventor. |    |     |       |         |          |
| Given Name (first and middle [if any]) |   | Family Name or Surname   |    |     |       |         |          |
| Bennie                                 |   | Gill   |    |     |       |         |          |
| Inventor's Signature                   |  |  |    |     |       | Date    | 11/10/03 |
| Citizenship                            | U.S.  |  |    |     |       |         |          |
| Residence Address                      | 32910 Welton Court  |  |    |     |       |         |          |
| Residence: City                        | Fulshear  | State  | TX | ZIP | 77441 | Country | U.S.     |
| Post Office Address                    | 32910 Welton Court  |  |    |     |       |         |          |
| City                                   | Fulshear  | State  | TX | ZIP | 77441 | Country | U.S.     |

|  |   |       |    |     |  |          |      |
|--|---|-------|----|-----|--|----------|------|
| <b>Name of Additional Inventor</b>     |   |       |    |     | <input type="checkbox"/> A petition has been filed for this unsigned inventor. |          |      |
| Given Name (first and middle [if any]) |   |       |    |     | Family Name or Surname   |          |      |
| Larry                                  |   |       |    |     | Grigar   |          |      |
| Inventor's Signature                   |  |       |    |     | Date   | 11-10-03 |      |
| Citizenship                            | U.S.  |       |    |     |  |          |      |
| Residence Address                      | Rt. 2, Box 75C  |       |    |     |  |          |      |
| Residence: City                        | East Bernard  | State | TX | ZIP | 77435  | Country  | U.S. |
| Post Office Address                    | Rt. 2, Box 75C  |       |    |     |  |          |      |
| City                                   | East Bernard  | State | TX | ZIP | 77435  | Country  | U.S. |

|  |   |       |    |     |  |         |          |
|--|---|-------|----|-----|--|---------|----------|
| <b>Name of Additional Inventor</b>     |   |       |    |     | <input type="checkbox"/> A petition has been filed for this unsigned inventor. |         |          |
| Given Name (first and middle [if any]) |   |       |    |     | Family Name or Surname   |         |          |
| Steven W.                              |   |       |    |     | Henderson  |         |          |
| Inventor's Signature                   |  |       |    |     |  | Date    | 11/10/03 |
| Citizenship                            | U.S.  |       |    |     |  |         |          |
| Residence Address                      | 23226 Winding Knoll Drive   |       |    |     |  |         |          |
| Residence: City                        | Katy  | State | TX | ZIP | 77494  | Country | U.S.     |
| Post Office Address                    | 23226 Winding Knoll Drive   |       |    |     |  |         |          |
| City                                   | Katy  | State | TX | ZIP | 77494  | Country | U.S.     |







## STATEMENT UNDER 37 CFR 3.73(b)

Applicant: Schlumberger Technology Corporation

Application No.: 10/686 043

Docket No.: 22.1512

Entitled: TECHNIQUES AND SYSTEMS ASSOCIATED WITH PERFORATION AND THE  
INSTALLATION OF DOWNHOLE TOOLS

Schlumberger Technology Corporation, a corporation, states that it is the assignee of the entire right, title, and interest in the patent application identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel: , Frame , or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above to current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☒ Copies of assignments or other documents in the chain of title are attached.

The undersigned is empowered to sign this statement on behalf of the assignee

Date: 11/14/03

Signature: \_\_\_\_\_

Jeffrey Griffin, Intellectual Property Counsel

## ASSIGNMENT

WHEREAS, We, **MARK VELLA**, a citizen of Malta, residing at 48 Derbeth Park, Kingswells, Aberdeen AB15 8TU United Kingdom, **JOE C. HROMAS**, a citizen of the United States of America, residing at 2519 Buffalo Trail, Sugar Land, Texas 77479, **BENNIE GILL**, a citizen of the United States of America, residing at 32910 Welton Court, Fulshear, Texas 77441, **LARRY GRIGAR**, a citizen of the United States of America, residing at Rt. 2, Box 75C, East Bernard, Texas 77435 and **STEVEN W. HENDERSON**, a citizen of the United States of America, residing at 23226 Winding Knoll Drive, Katy, Texas 77494 hereinafter referred to as the "Inventors", have made inventions and improvements in: *TECHNIQUES AND SYSTEMS ASSOCIATED WITH PERFORATION AND THE INSTALLATION OF DOWNHOLE TOOLS* which are the subject of an application for Letters Patent of the United States of America, executed by us on the date(s) indicated below, (Docket No. 22.1512), hereinafter referred to as the "Invention(s)".

AND WHEREAS, SCHLUMBERGER TECHNOLOGY CORPORATION, hereinafter referred to as "said COMPANY", a corporation duly organized, incorporated and existing under the laws of the State of Texas, and having a place of business at 300 Schlumberger, Sugar Land, Texas 77478 is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to the Invention(s), and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefore.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that we the Inventors, for good and valuable considerations, the receipt and sufficiency of which hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to the Invention(s), described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on the Invention(s) in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon the Invention(s).

TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on the Invention(s).

AND we do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND we do hereby covenant and warrant that we have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that we have not executed and will not execute any instruments in conflict herewith.

AND we, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that we, our executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to the Invention(s), and any related application or applications, patents, rights, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred and conveyed.

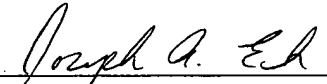
IN WITNESS WHEREOF, I, Mark Vella, Inventor, have hereunto set my hand and seal.

11/6/03  
Date


  
Mark Vella

WITNESSED:

BE IT KNOWN, that, is to me known to be the individual described in the foregoing assignment, that on this 6<sup>th</sup> day of November, 2003, I was personally present and did see him sign and execute the foregoing assignment and that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

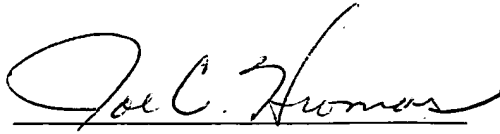
  
Witness JOSEPH A. ECK

10 THE MEADOWS  
MILLTIMBER  
AB13 OJT  
SCOTLAND, UK  
Post Office Address

  
Witness ELAINE PATERSON

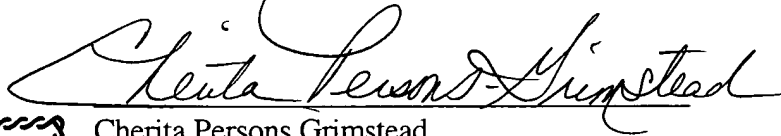
1 PITMEDDEN MEWS  
DYCE  
ABERDEEN AB21 7ER  
SCOTLAND, UK  
Post Office Address

IN WITNESS WHEREOF, I, Joe C. Hromas have hereunto set my hand and seal this  
November 10, 2003.

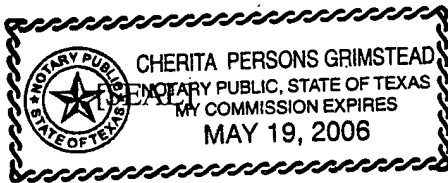
  
Joe C. Hromas

STATE OF TEXAS       §  
                                  §  
COUNTY OF BRAZORIA   §

BEFORE ME, this November 10, 2003 personally appeared Joe C. Hromas, to me known to be  
the person who is described in and who executed the foregoing assignment instrument, and  
acknowledged to me that he executed the same of his own free will for the purpose therein  
expressed.

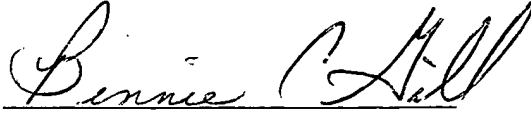


Cherita Persons Grimstead  
Notary Public in and for the State of Texas



My Commission Expires: May 19, 2006

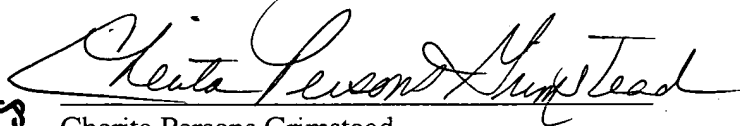
IN WITNESS WHEREOF, I, Bennie Gill have hereunto set my hand and seal this  
November 10, 2003.



Bennie Gill

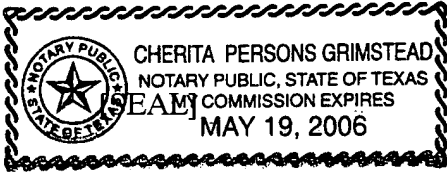
STATE OF TEXAS       §  
                                  §  
COUNTY OF BRAZORIA   §

BEFORE ME, this November 10, 2003 personally appeared Bennie Gill, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

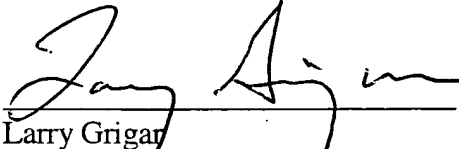


Cherita Persons Grimstead  
Notary Public in and for the State of Texas

My Commission Expires: May 19, 2006

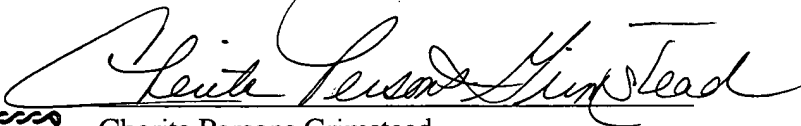


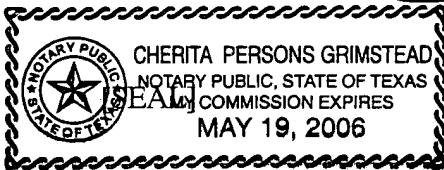
IN WITNESS WHEREOF, I, Larry Grigar have hereunto set my hand and seal this  
November 10, 2003.

  
Larry Grigar

STATE OF TEXAS       §  
                                  §  
COUNTY OF BRAZORIA   §

BEFORE ME, this November 10, 2003 personally appeared Larry Grigar, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

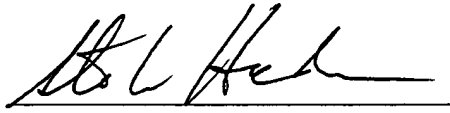




Cherita Persons Grimstead  
Notary Public in and for the State of Texas

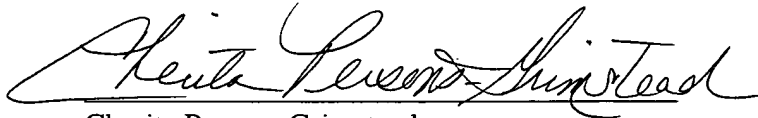
My Commission Expires: May 19, 2006

IN WITNESS WHEREOF, I, Larry Steven W. Henderson have hereunto set my hand and seal this  
November 10, 2003.

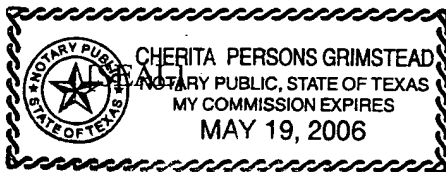
  
Steven W. Henderson

STATE OF TEXAS       §  
                                  §  
COUNTY OF BRAZORIA   §

BEFORE ME, this November 10, 2003 personally appeared Steven W. Henderson, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Cherita Persons Grimstead  
Notary Public in and for the State of Texas



My Commission Expires: May 19, 2006